

Exhibit 300: Capital Asset Summary

Part I: Summary Information And Justification (All Capital Assets)

Section A: Overview & Summary Information

Date Investment First Submitted: 2009-10-30
Date of Last Change to Activities: 2012-08-30
Investment Auto Submission Date: 2012-02-29
Date of Last Investment Detail Update: 2011-12-30
Date of Last Exhibit 300A Update: 2012-08-30
Date of Last Revision: 2012-08-30

Agency: 422 - National Science Foundation **Bureau:** 00 - Agency-Wide Activity

Investment Part Code: 01

Investment Category: 24 - E-Gov & LoB initiatives

1. Name of this Investment: Research.gov

2. Unique Investment Identifier (UII): 422-999991361

Section B: Investment Detail

- 1. Provide a brief summary of the investment, including a brief description of the related benefit to the mission delivery and management support areas, and the primary beneficiary(ies) of the investment. Include an explanation of any dependencies between this investment and other investments.**

Research.gov is a community driven solution, led by NSF, that gives the general public, the science, engineering, research, and education community, and NSF and Congressional staff easy access to key information and services in one location (www.research.gov).

Research.gov improves access to information and increases the transparency of the results being achieved with federally-funded research and the federal grant-making process.

Research.gov also provides innovative online tools to improve the interaction between NSF and the organizations that submit grant applications to NSF and receive grant awards. Other select research agencies, including NASA and USDA/NIFA are using select Research.gov services to meet their business and user needs. Thousands of institutions and researchers nationwide perform research activities to advance science and engineering with grant awards made by these agencies. Current Research.gov services include: Research Spending and Results, allowing organizations and the public to find information about how NSF and NASA grant award dollars are being spent; Science, Engineering, and Education Innovation (SEE Innovation), providing the public, scientific community, and policy makers with quick, dynamic access to information about NSF investments; the Policy Library, which is an electronic library consolidating federal and agency-specific policies; Application Submission Web Service, allowing for submission of proposals online to NSF by 90 institutions, simplifying the application submission process; Grant Application Status, allowing Principal Investigators

(PIs) to check the status of grant applications submitted to NSF and USDA/NIFA; Federal Financial Reporting, allowing institutions to prepare and submit grant financial reports to NSF using the government-wide standard form; Project Outcomes Reporting, allowing PIs to submit a brief summary for the public that describes the intellectual merit and broader impacts of their NSF-funded research; InCommon, allowing institutions to log into Research.gov using their home institution credentials; a Research.gov Desktop, helping NSF staff plan and manage their programs and portfolios of proposals and awards and enhances the Foundation's capability to support the merit review process by providing better information and tools at each stage of the proposal and award management lifecycle; and, Research Headlines and Events, highlighting research activities from NSF and Research.gov partners.

2. How does this investment close in part or in whole any identified performance gap in support of the mission delivery and management support areas? Include an assessment of the program impact if this investment isn't fully funded.

Mission-critical information technology functions at NSF such as those that support the entire proposal and award process, are housed on aging legacy systems that are increasingly costly and time-intensive to maintain. These legacy systems will not continue to meet the expectations of research institutions or the modern federal workforce in the years to come, nor will they be able to consistently comply with NSF policy and federal mandates. Research.gov is the platform upon which these legacy systems are being modernized and streamlined, consolidating research data across federal agencies, and complying with federal requirements to, for example, increase transparency into how federal dollars are spent. The Research.gov platform also supports new and improved electronic capabilities to support the Merit Review process, where there is currently no capability. If Research.gov is not fully funded, the challenges with NSF's current legacy systems will limit research community interactions with the agency, as well as the ability of NSF staff to effectively and efficiently process proposals and awards in support of the NSF mission.

3. Provide a list of this investment's accomplishments in the prior year (PY), including projects or useful components/project segments completed, new functionality added, or operational efficiency achieved.

In Fiscal Year 2011, the following major Research.gov accomplishments were achieved:

- NSF fulfilled the America COMPETES Act requirement to make outcomes of NSF-funded research publicly available by launching the new "Project Outcomes Report" (POR) service on Research.gov, which allows Principal Investigators (PIs) to submit PORs and the general public to search and view PORs through Research.gov.
- A Research.gov Desktop for NSF staff was released—this service helps staff manage their awards and enhances the Foundation's capability to support the merit review process by providing better information and tools at each stage of the proposal and award management lifecycle.
- NSF's InCommon initiative now allows institutions to log into Research.gov using their home institution credentials.
- NSF added support for PIs, Co-PIs, and institution financial officials to access both Research.gov and FastLane without having to "sign-on" more than once.

4. Provide a list of planned accomplishments for current year (CY) and budget year (BY).

In Fiscal Years 2012 and 2013, the following new Research.gov features are planned for

release: · An enterprise reporting tool that will enable greater oversight of NSF-funded research projects by providing easy access to accurate, reliable, and formerly inaccessible award and financial data to NSF staff, · Support for the government-wide Research Performance Progress Report, which will standardize how PIs report performance progress for federally-funded research and research-related projects, · Updated Merit Review Tools that will allow NSF staff to find reviewers and manage panel reviews through Research.gov, · Preparatory activities to integrate Research.gov with NSF's modernized financial management system, and a new tool that allows grantees to draw down funds by grant as opposed to drawing down against a pool of funds available to the institution, which will allow NSF to record grantee expenditures as funds are drawn down instead of quarterly with submission of the FFR.

5. **Provide the date of the Charter establishing the required Integrated Program Team (IPT) for this investment. An IPT must always include, but is not limited to: a qualified fully-dedicated IT program manager, a contract specialist, an information technology specialist, a security specialist and a business process owner before OMB will approve this program investment budget. IT Program Manager, Business Process Owner and Contract Specialist must be Government Employees.**

2007-08-01

Section C: Summary of Funding (Budget Authority for Capital Assets)

1.

Table I.C.1 Summary of Funding

	PY-1 & Prior	PY 2011	CY 2012	BY 2013
Planning Costs:	\$0.6	\$0.0	\$0.0	\$0.0
DME (Excluding Planning) Costs:	\$5.4	\$7.5	\$10.0	\$4.3
DME (Including Planning) Govt. FTEs:	\$0.7	\$1.2	\$1.5	\$1.0
Sub-Total DME (Including Govt. FTE):	\$6.7	\$8.7	\$11.5	\$5.3
O & M Costs:	\$9.3	\$7.5	\$5.0	\$7.0
O & M Govt. FTEs:	\$1.1	\$0.8	\$0.6	\$1.2
Sub-Total O & M Costs (Including Govt. FTE):	\$10.4	\$8.3	\$5.6	\$8.2
Total Cost (Including Govt. FTE):	\$17.1	\$17.0	\$17.1	\$13.5
Total Govt. FTE costs:	\$1.8	\$2.0	\$2.1	\$2.2
# of FTE rep by costs:	8	9	9	9
Total change from prior year final President's Budget (\$)		\$17.0	\$17.1	
Total change from prior year final President's Budget (%)				

2. If the funding levels have changed from the FY 2012 President's Budget request for PY or CY, briefly explain those changes:

Section D: Acquisition/Contract Strategy (All Capital Assets)

Table I.D.1 Contracts and Acquisition Strategy

Contract Type	EVM Required	Contracting Agency ID	Procurement Instrument Identifier (PIID)	Indefinite Delivery Vehicle (IDV) Reference ID	IDV Agency ID	Solicitation ID	Ultimate Contract Value (\$M)	Type	PBSA ?	Effective Date	Actual or Expected End Date
Awarded	4900	NSFDACS09D1261	GS35F0634R	4730							
Awarded	4900	NSFDACS08D1536	GS23F9806H	4730							
Awarded	4900	NSFDACS0757230	GS00T99ALD0210	4735							
Awarded	4900	NSFDACS0733650	GS00T99ALD0202	4735							
Awarded	4900	NSFDACS09T1713	GS06F0334Z	4730							

2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:

Earned value is not required for Contract Number: 08D1536 (SRA Touchstone) because the contract is for program management and is not related to IT development. Earned value is also not required for Contract Number: NSFDACS0757230 because the contract is for hosting services and not IT development.

Exhibit 300B: Performance Measurement Report

Section A: General Information

Date of Last Change to Activities: 2012-08-30

Section B: Project Execution Data

Table II.B.1 Projects

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost (\$M)
3833	Services for Institutions (R.Gov)	New Services for the Research Community improving the ability of institutions to access R.gov capabilities, improved business rule validation processing, and reporting capability to support research and research-related activities.			
3834	Services for Staff (R.Gov)	New Services for NSF Staff improving support capabilities such as collaboration tools, proposal search capabilities, and improved reporting.			
3835	Services for the Public	New Services for the Public such as those that support transparency and reporting.			
3923	Preparation for iTRAK Migration (R.Gov)	Activities related to preparing systems for integration with iTRAK.			

Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project	End Point Schedule	End Point Schedule	Cost Variance	Cost Variance	Total Planned Cost	Count of
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Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities (\$M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance (\$M)	Cost Variance (%)	Total Planned Cost (\$M)	Count of Activities
		Activities (\$M)	Variance (in days)	Variance (%)	(\$M)	(%)	(\$M)	Activities
3833	Services for Institutions (R.Gov)							
3834	Services for Staff (R.Gov)							
3835	Services for the Public							
3923	Preparation for iTRAK Migration (R.Gov)							

Key Deliverables

Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days)	Schedule Variance (%)
3923	Preparation for iTRAK Migration (R.Gov) - Award Cash Management System - Requirements	Requirements gathering for ACM\$	2011-10-31	2011-10-31	2011-10-31	30	0	0.00%
3834	Services for Staff (R.Gov) - Enterprise Reporting -- Infrastructure Assessment	Infrastructure assessment for Enterprise Reporting	2011-11-30	2011-11-30	2011-11-30	58	0	0.00%
3833	Services for Institutions (R.Gov) - RPPR -- Phase 1 Design	Design activities for RPPR	2011-12-31	2011-12-31	2011-12-31	91	0	0.00%
3923	Preparation for iTRAK Migration (R.Gov) - Award Cash Management System - Design	Design activities for ACM\$	2011-12-31	2011-12-31	2011-12-31	60	0	0.00%

Section C: Operational Data

Table II.C.1 Performance Metrics

Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
# of Research.gov visitors	Number	Customer Results - Service Accessibility	Over target	5400.000000	7670.000000		15000.000000	Semi-Annual
# of Grants Management Service Offerings	Number	Technology - Effectiveness	Over target	5.000000	10.000000		12.000000	Semi-Annual
Grantee Satisfaction	Percent	Customer Results - Customer Benefit	Over target	70.000000	75.000000		75.000000	Quarterly
Portal Uptime	Percent	Technology - Reliability and Availability	Over target	99.900000	99.900000		99.900000	Monthly
# of Registered Users	Number	Technology - Effectiveness	Over target	7670.000000	7670.000000		10890.000000	Semi-Annual